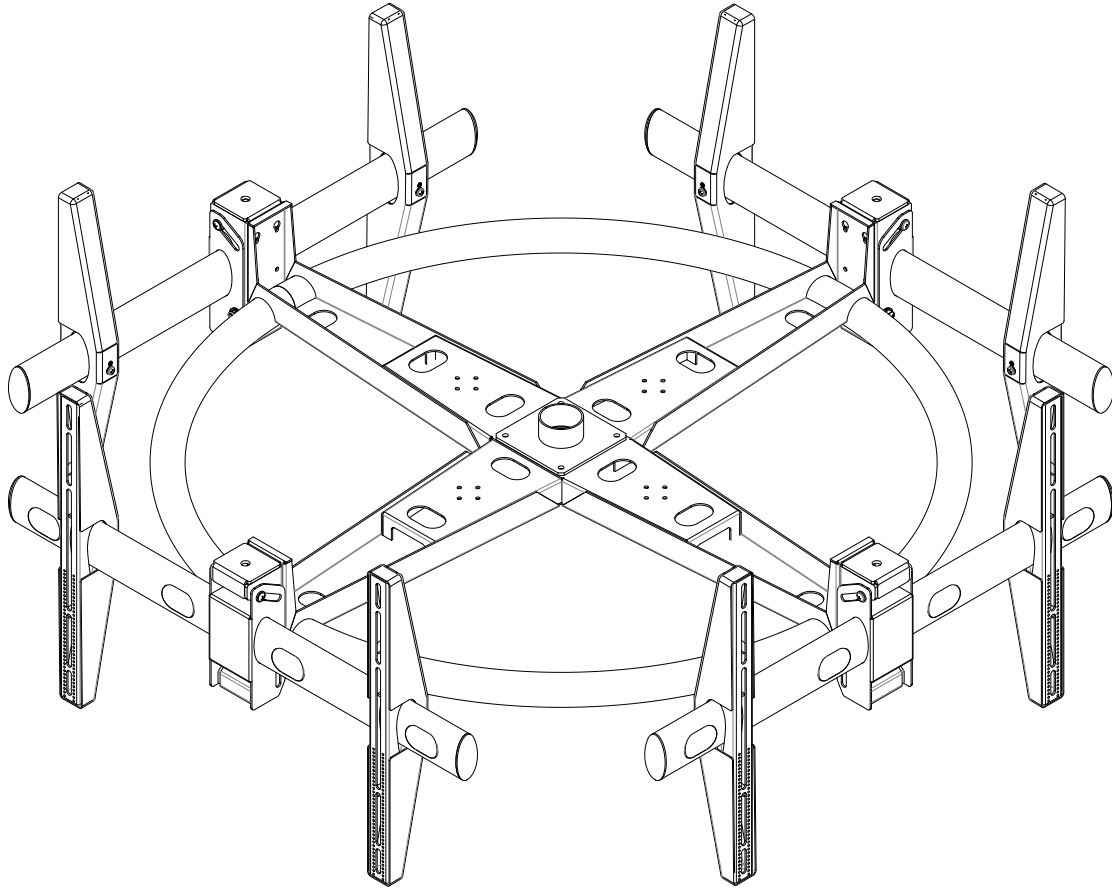


# PREMIER MOUNTS®

CREATING POSITIVE CUSTOMER EXPERIENCES

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## INSTALLATION INSTRUCTIONS



### Elliptical Ceiling Mount for 37" to 63" Flat Panels

Model: ECM-3763Q

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#### NORTH AMERICA

3130 East Miraloma Avenue  
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## Weight Capacity

Maximum flat panel weight:

**360lbs.**

THE CEILING STRUCTURE MUST BE CAPABLE OF HOLDING FIVE (5) TIMES THE WEIGHT OF THE FLAT PANEL AND MOUNT. IF NOT, THEN THE CEILING STRUCTURE MUST BE REINFORCED.

## Warning Statements



INSTALL THE MOUNT ACCORDING TO THE INSTRUCTIONS PROVIDED BY PREMIER MOUNTS. PERFORM ALL STRUCTURAL REINFORCEMENTS BEFORE ATTACHING THE FLAT PANEL TO THE CEILING MOUNT. USE THE APPROPRIATE LIFTING DEVICE WHEN LIFTING THE FLAT PANEL INTO PLACE.



PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS MUST BE READ AND COMPLETELY UNDERSTOOD TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.



PREMIER MOUNTS DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PREMIER MOUNTS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS.



SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE ASSEMBLY OF THIS PRODUCT. USE PROPER SAFETY GEAR AND TOOLS FOR THE ASSEMBLY PROCEDURE TO PREVENT PERSONAL INJURY.



At least two qualified people should perform the assembly procedure. Personal injury and/or property damage can result from dropping or mishandling the flat panel.



Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in the ceiling. Cutting or drilling into an electrical line may cause serious personal injury.



Make sure there are no water or natural gas lines inside the ceiling where the mount is to be located. Cutting or drilling into a water or gas line may cause severe property damage or personal injury.



This product is intended for indoor use only. Use of this product outdoors could lead to product failure and/or serious personal injury.



Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.

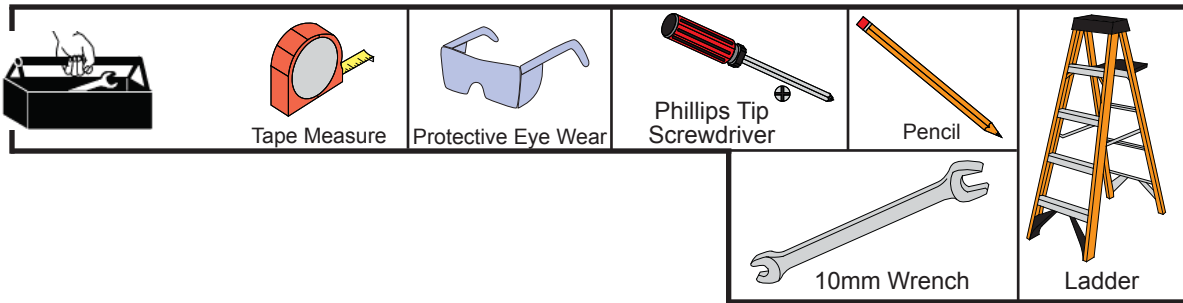


Contact Premier Mounts with any questions:  
(800) 368-9700  
techsupport@mounts.com



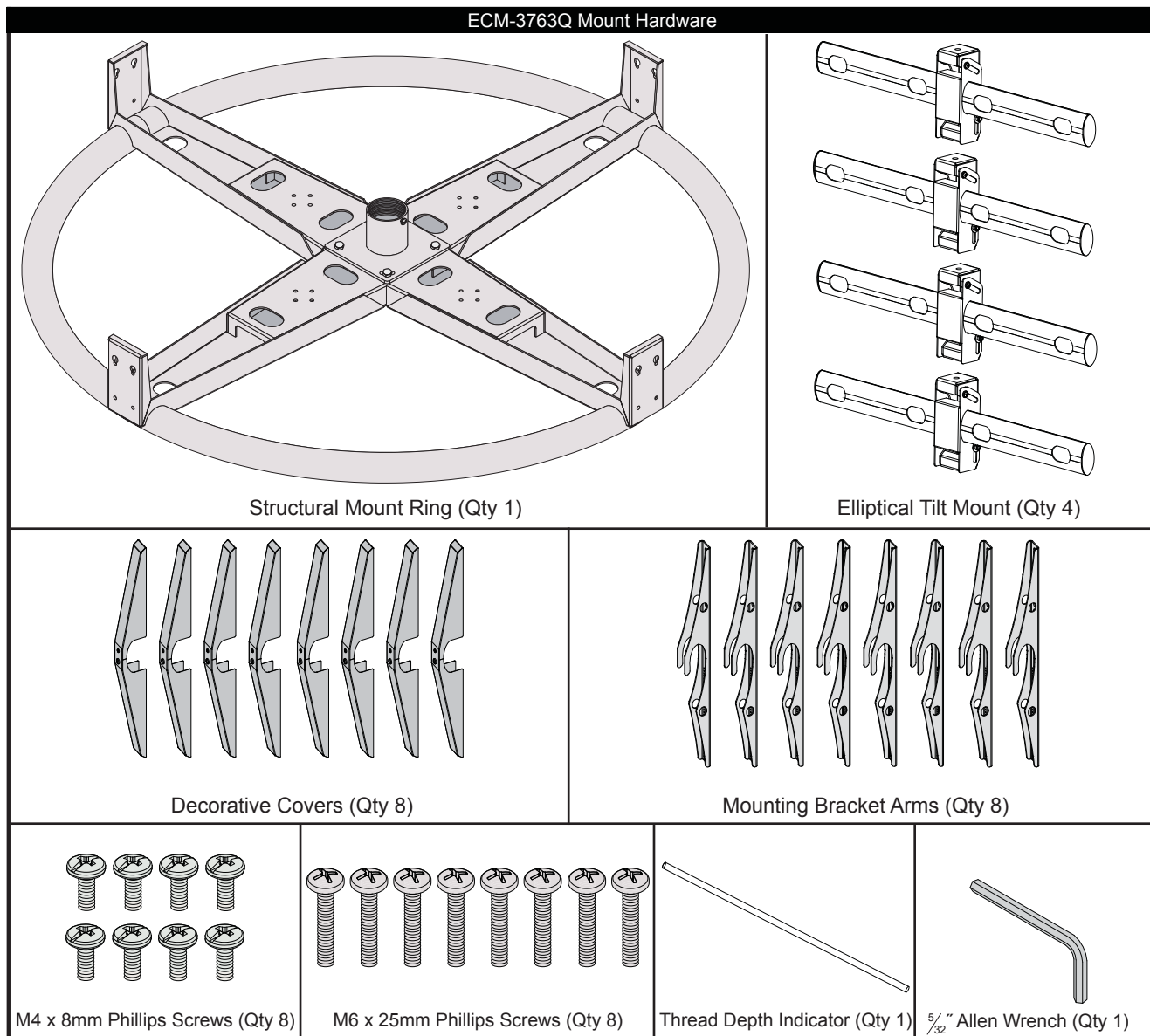
## Installation Tools

The following tools may be required, dependent upon your particular installation. These tools are not provided by Premier Mounts, but you can purchase them at your local hardware store.








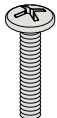
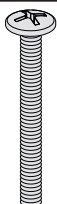

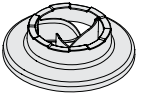
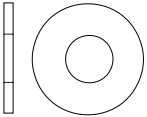

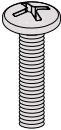
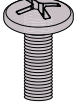
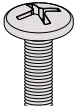
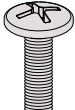
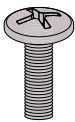

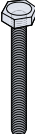

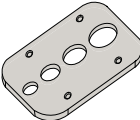
## Parts List

Your Premier Mounts product is shipped with all proper installation hardware and components. Make sure that none of these parts are missing and/or damaged before beginning installation. If there are parts missing and/or damaged, please stop the installation and contact Premier Mounts (800) 368-9700.



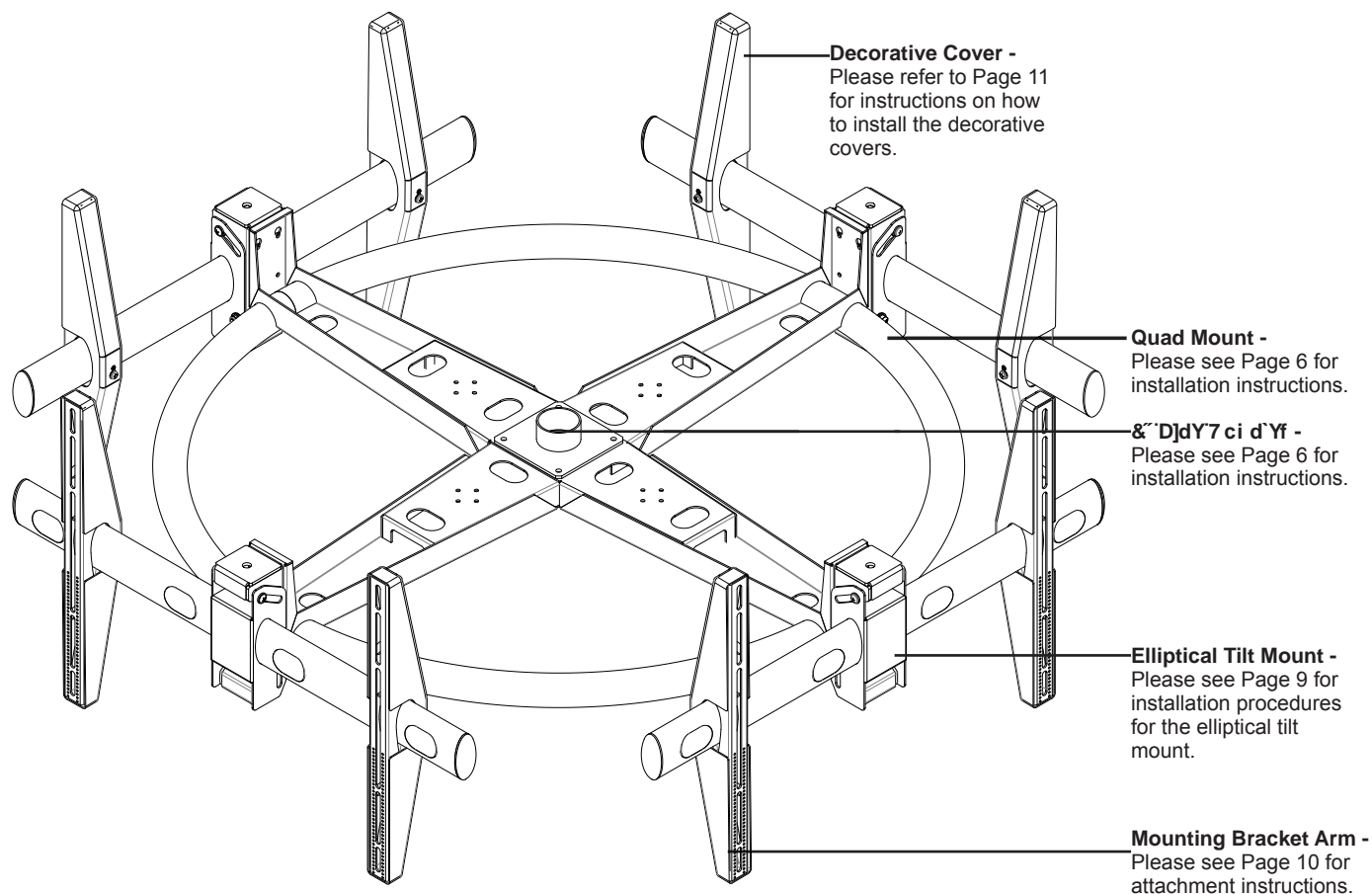


## Parts List (cont'd)

Standard Hardware	
M4 x 16mm Phillips Head Screw (Qty 32)	
M4 x 25mm Phillips Head Screw (Qty 16)	
M5 x 12mm Phillips Head Screw (Qty 24)	
M5 x 16mm Phillips Head Screw (Qty 24)	
M5 x 20mm Phillips Head Screw (Qty 24)	
M5 x 25mm Phillips Head Screw (Qty 16)	
M5 x 50mm Phillips Head Screw (Qty 16)	
M6 x 12mm Phillips Head Screw (Qty 32)	
Universal Spacers (Qty 96)	
5/16" Flat Washer - Metal (Qty 24)	
M6 x 20mm Phillips Head Screw (Qty 24)	
M6 x 30mm Phillips Head Screw (Qty 24)	
M8 x 20mm Phillips Head Screw (Qty 24)	
M8 x 25mm Phillips Head Screw (Qty 24)	
M8 x 30mm Phillips Head Screw (Qty 24)	
M8 x 35mm Phillips Head Screw (Qty 16)	
M8 x 70mm Phillips Head Screw (Qty 16)	
M6 x 12mm Hex Head Bolt (Qty 16)	
M6 Split Lock Washer (Qty 16)	
Griplate™ Washers (Qty 32)	



## Features





## Installing the Ceiling Mount



A 2" NPT threaded pipe must be firmly secured to the ceiling structure before performing the following steps.



For more height flexibility, use Premier Mounts' adjustable-height ceiling adapter (AST-2446) (sold separately).



The Phillips set screw must be backed out in order for the NPT threaded pipe to attach to the threaded coupler.

- 1 Align the ECM-3763Q threaded coupler with the threaded end of the NPT threaded pipe.
- 2 Thread the ECM-3763Q onto the NPT threaded pipe and rotate the ECM-3763Q coupler clockwise until the coupler is fully threaded onto the NPT threaded pipe.



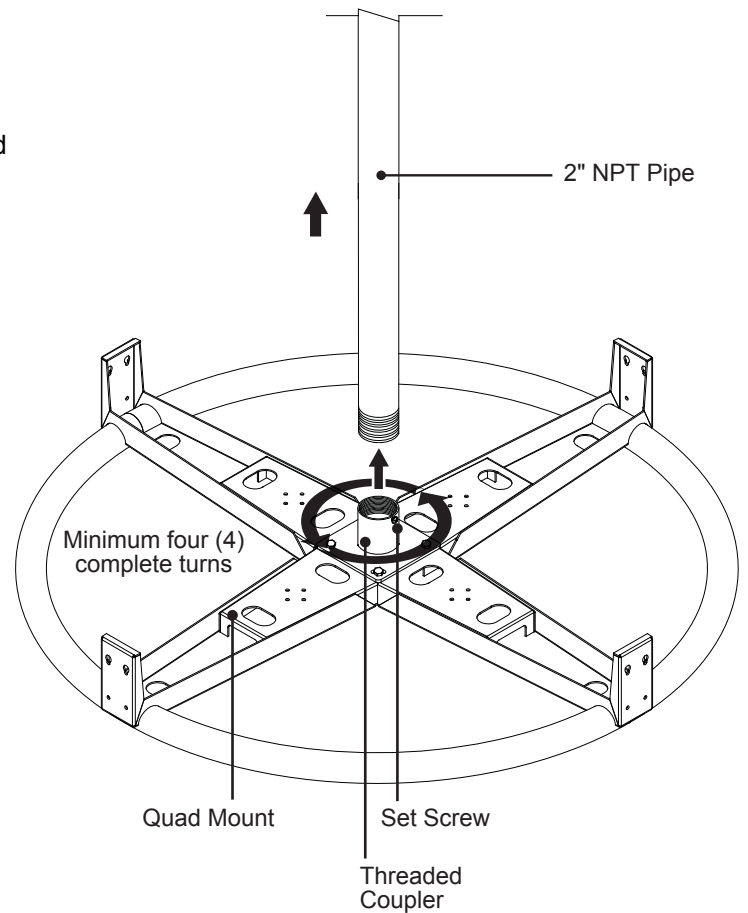
The coupler must be threaded onto the NPT threaded pipe a minimum of four (4) complete turns.

- 3 Once the ECM-3763Q has been firmly threaded to the 2" NPT threaded pipe, use a screwdriver to tighten the Phillips set screw on the threaded coupler.



Ensure that all connections are secure and tight before proceeding to the next step.

Proceed to the **"Selecting the Appropriate Mounting Hardware"** section.





## Selecting the Mounting Hardware

- ❶ Insert a small straw or toothpick into the threaded inserts found on the back of the flat panel.
- ❷ Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.
- ❸ Mark the straw or toothpick  $\frac{1}{8}$ " above the depth of the threaded insert, as shown in Figure 1.
- ❹ Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's  $\frac{1}{8}$ " allowance mark.
- ❺ Locate the correct diameter screw for the threaded insert.

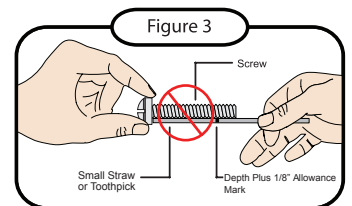
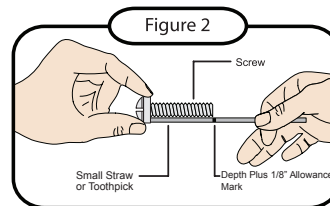
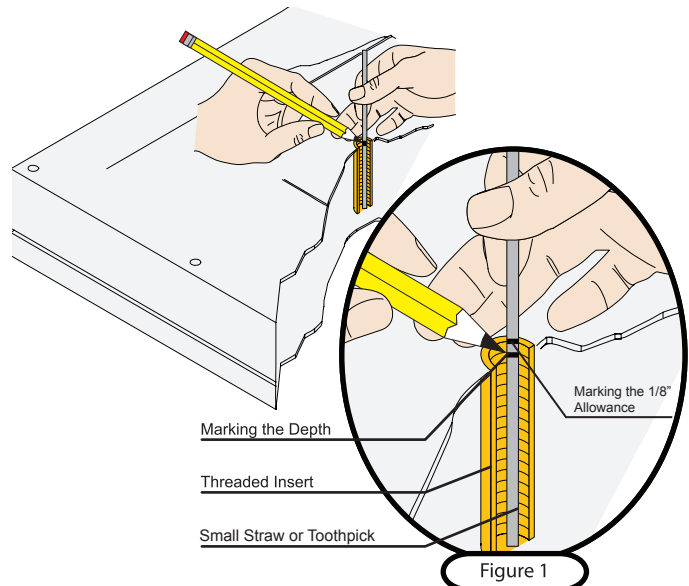


If the screw you selected is longer than the  $\frac{1}{8}$ " allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

- ❻ Test each size of the screws provided.

The correct screws should thread easily into the mounting point and not pull out when tension is applied.


The optional M3 flat washers may be used to decrease the screw depth of either the M2.5 x 12mm screws or the M3 x 16mm screws. Decrease the screw depth by placing an M3 flat washer inside the leveling barrel and then inserting the mounting screw.






## Griplate™ Washer Installation

Premier Mounts' Griplate™ Washers are designed to accommodate the various M4, M5, M6 and M8 hole sizes required by flat panels.

 Do not place excessive pressure on the back of the flat panel, as this may damage your flat panel.

 The Griplate™ Washer must be installed between the head of the mounting screw and the mounting bracket as shown.

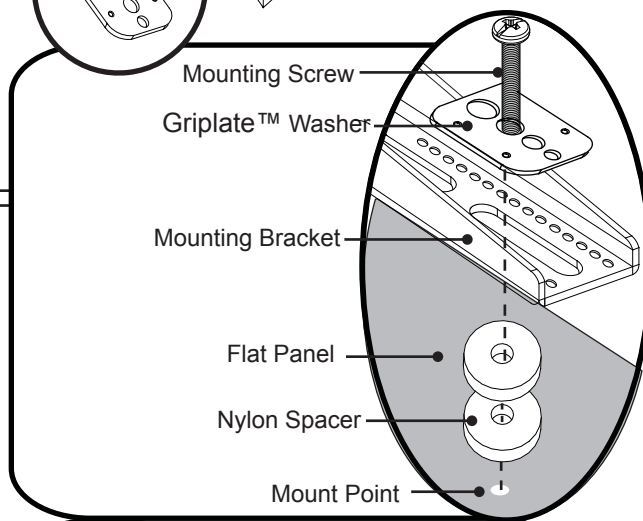
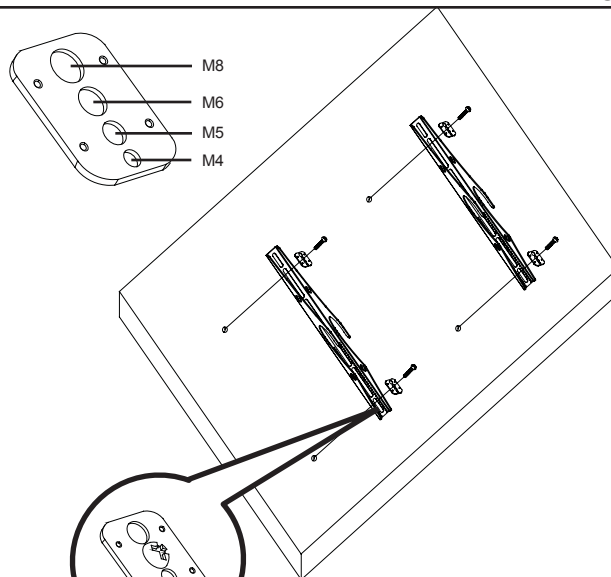


Does your flat panel have:

- Recessed mount points?
- Uneven mount points?
- A curved back?
- Any obstruction near the mount point?


If **Yes**, you must install nylon spacers. Remove the mounting brackets, Griplate™ washers, and mounting screws from the back of the flat panel. Proceed to the **"Nylon Spacer Installation"** section.

If **No**, skip to the **"Flat Panel Installation"** section.



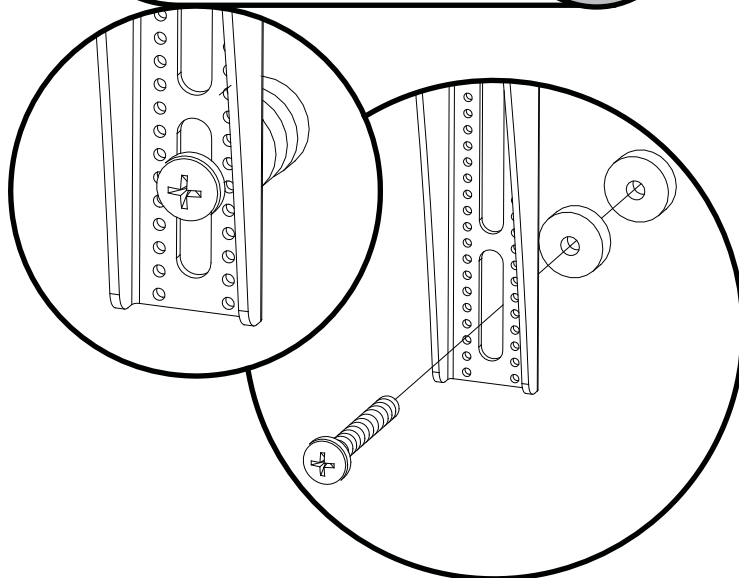
## Nylon Spacer Installation

Premier Mounts' nylon spacers allow you to attach the mounting bracket to flat panels which have recessed or uneven mount points. Each nylon spacer will add distance between the mounting bracket and your flat panel.

 The nylon spacers must only be installed between the mounting bracket and your flat panel.

The nylon spacers will fit M4, M5, M6 and M8 screw sizes.

Proceed to the **"Elliptical Tilt Mount Installation"** section.







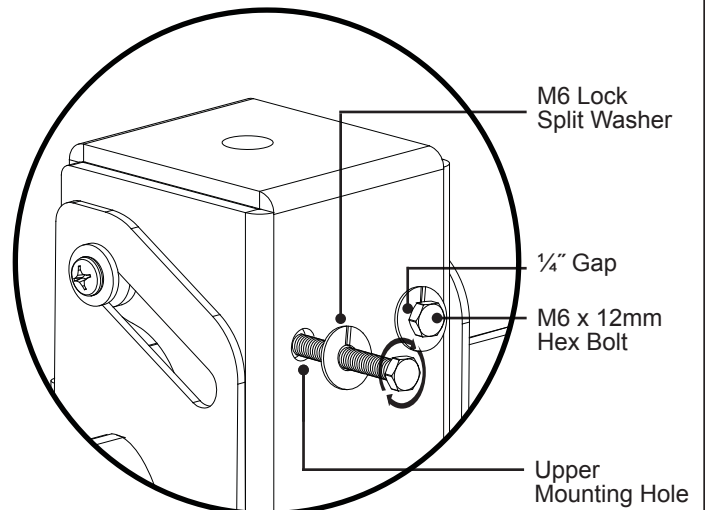
## Inserting the Hex Head Bolts

- ❶ Locate the two (2) upper mounting holes located on the back of the elliptical tilt mount.
- ❷ Attach two (2) M6 x 12mm hex head bolts and two (2) M6 split flat washers.
- ❸ Thread the hex bolts into the hole until there is a  $\frac{1}{4}$ " gap between the head of the hex head bolt and the mounting surface of the elliptical tilt mount.
- ❹ Repeat Steps 1 through 3 for all four of the elliptical tilt mounts.



Do not completely tighten the hex head bolts at this time.

Proceed to **"Elliptical Tilt Mount Installation"** section.



## Elliptical Tilt Mount Installation



The following steps must be completed by two people.



Do not release the elliptical tilt mount until the hex head bolts are resting fully in the keyhole slots.

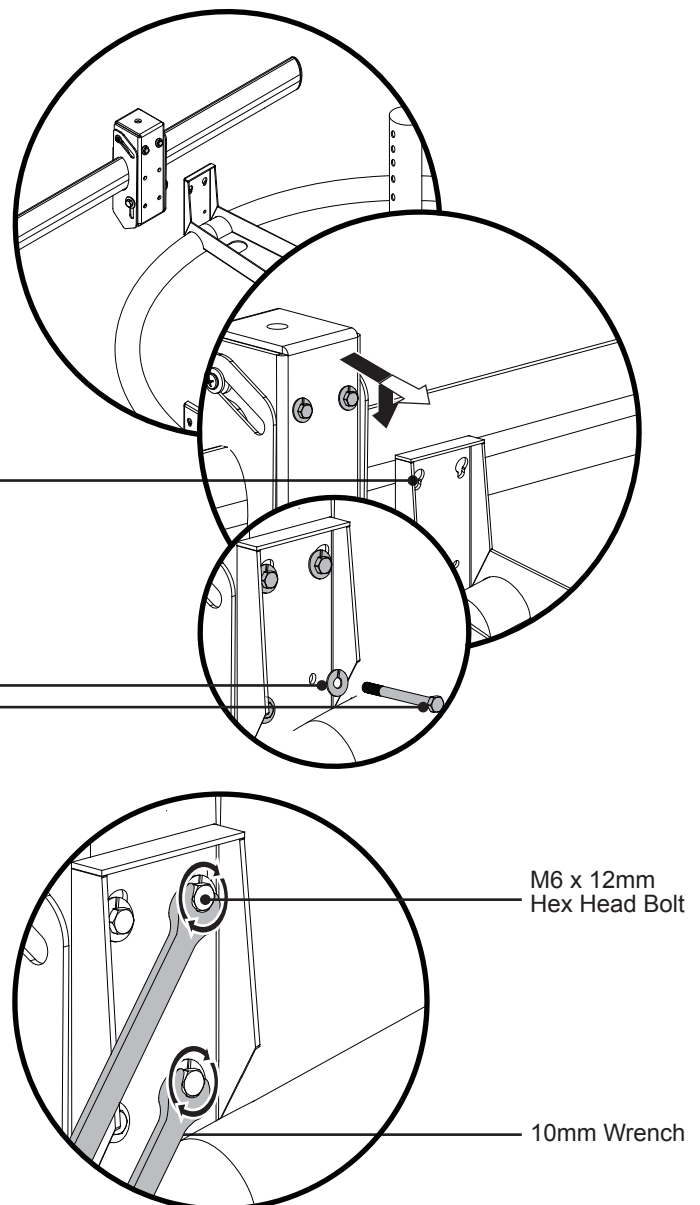
- ❶ Align the hex head with the keyhole slot.
- ❷ Gently insert the hex head through the keyhole slot and lower the elliptical tilt mount.
- ❸ Align the lower mounting holes of the dual mounting bracket with the lower mounting points on the elliptical tilt mount.
- ❹ Thread two (2) M6 x 12mm hex head bolts two (2) M6 split flat washers into the mounting holes.

Keyhole Slot

M6 x 12mm Hex Bolt and Split Flat Washer

- ❺ Use a 10mm wrench and tighten all four (4) M6 x 12mm hex head bolts.
- ❻ Repeat Steps 1 through 5 for mounting the remaining elliptical tilt mounts.

Proceed to **"Attaching the Flat Panel"** section.





## Attaching the Flat Panel



Install the mount according to the instructions provided by Premier Mounts. Ensure all structural reinforcements have been made before attaching the flat panel to the ECM-3763Q.



Do not release the flat panel until the mounting bracket arms are fully resting on the elliptical mounting bar.

1

Raise the mounting bracket arms and the attached flat panel over the elliptical mounting bar of the ECM-3763Q.

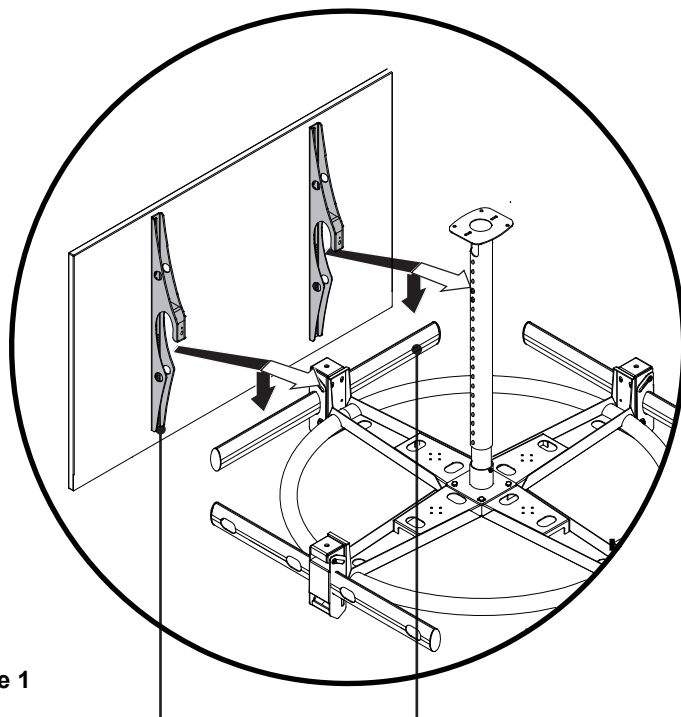


Figure 1

Mounting Bracket Arms

Elliptical Mounting Bar

\*AST-2446 ceiling adapter shown for illustration purposes only.

2

Lower and center the mounting bracket arms with the attached flat panel onto the elliptical mounting bar of the ECM-3763Q.

3

Repeat Steps 1 and 2 for mounting the remaining elliptical tilt mounts.

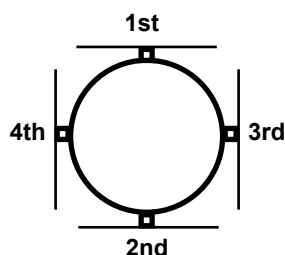


Do not release the flat panel until the mounting bracket arms are resting fully on the elliptical mounting bar.



Displays should be installed opposite of each other to even out the weight (Figure 3).

Proceed to “Attaching the Decorative Covers” section.



Top view of ECM-3763Q with flat-panels

Figure 3

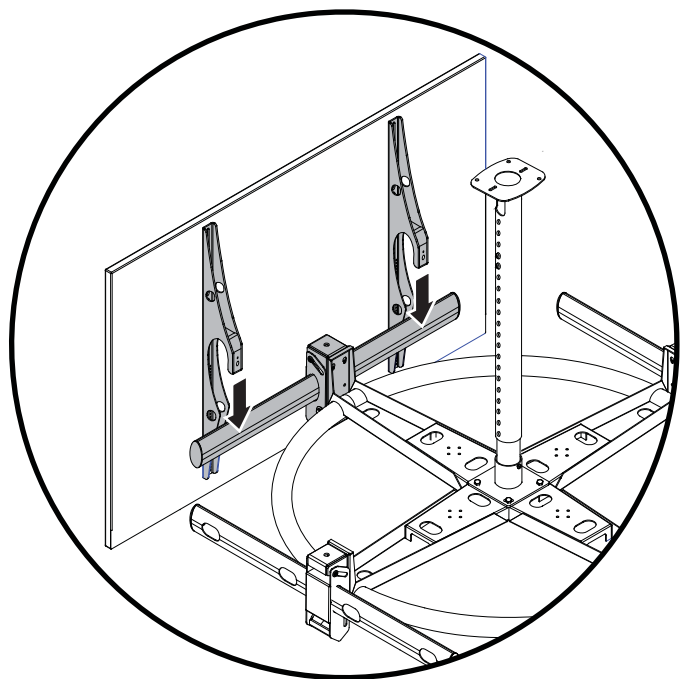


Figure 2

\*AST-2446 ceiling adapter shown for illustration purposes only.



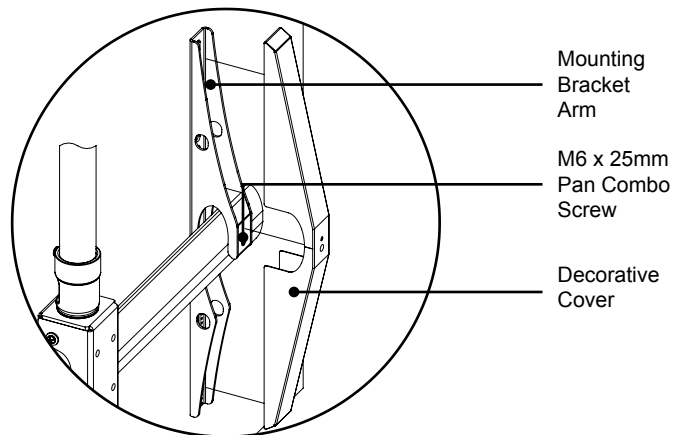
## Attaching Decorative Covers

### Step 1



When attaching the decorative covers, verify the direction of the covers. The smaller mounting hole should be in position above the larger mounting hole.

- ❶ Insert and tighten an M6 x 25mm Pan Combo screw in the larger mounting hole of each mounting bracket arm.
- ❷ Place the first decorative cover over the first mounting bracket arm and push firmly into place.
- ❸ Repeat Step 1 for the next decorative cover.



### Step 2

- ❶ Align the mounting holes.
- ❷ On each decorative cover, insert and tighten an M4 x 8mm Pan Combo screw in the smaller mounting hole.

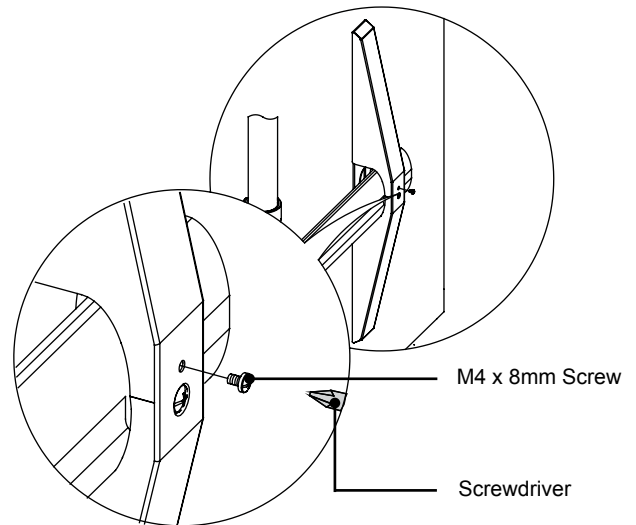


The decorative covers should easily go over the M6 x 25mm Pan Combo screws.

- ❸ Repeat the **Attaching Decorative Covers** instructions to attach decorative covers to the next flat-panel.



Do not over-tighten these screws.

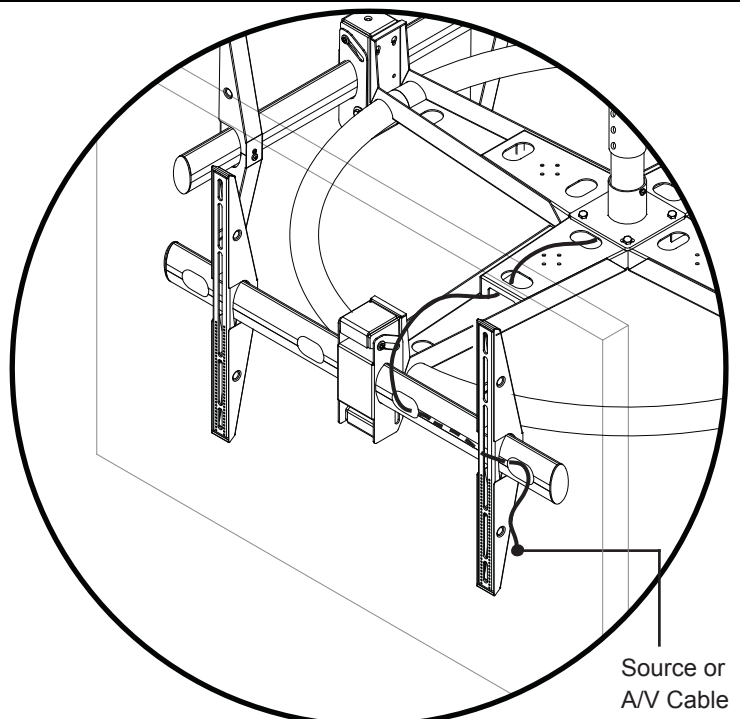


## Cable Management

Route the cables through the cable access holes and to their respective locations. Remove the plastic covers, route the cables, and gently re-attach the plastic covers.

The cables may then be routed through the coupler, up the ceiling adapter and into the ceiling to a predetermined power source.

Proceed to “**Tilt Positioning**” section.





## Tilt Positioning

### Adjusting the Flat Panel Friction Tilt Angle

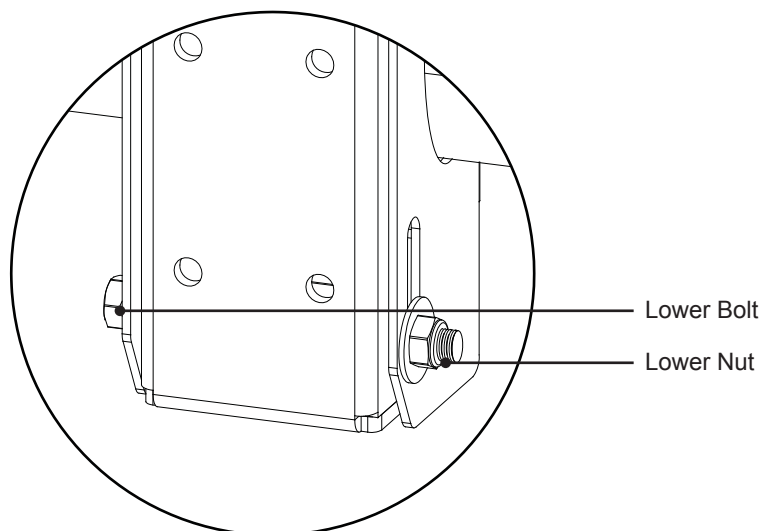
- 1 Place one hand at the center top edge of the flat panel.
- 2 Place the other hand on the center bottom edge of the flat panel.
- 3 Using the upper hand, gently pull the top of the flat panel towards you while the lower hand gently pushes the bottom of the flat panel away from you.



If additional tilt friction is required, tighten the lower nut and lower bolt only to increase the tilt friction.

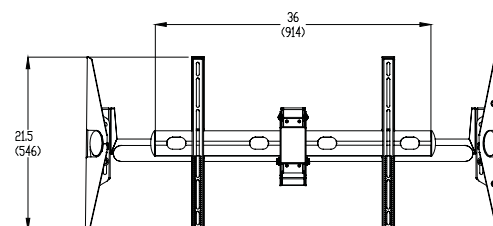
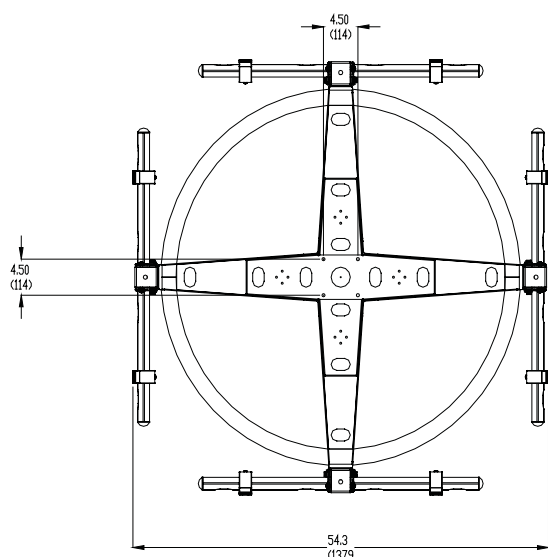
### Adjusting the Flat Panel to the Original Position

- 1 Place one hand at the center top edge of the flat panel.
- 2 Place the other hand on the center bottom edge of the flat panel.
- 3 Using the upper hand, gently push the top of the flat panel towards the wall while the lower hand gently pulls the bottom of the flat panel away from the wall.



## Technical Specifications

All measurements are in inches(mm).





## Warranty

### PREMIER MOUNTS LIMITED LIFETIME WARRANTY

#### **What and Who is Covered by this Limited Warranty and for How Long**

Premier Mounts warrants this product to be free from defects in material and workmanship for the lifetime of the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

#### **What Premier Mounts Will Do**

At the sole option of Premier Mounts, Premier Mounts will repair or replace any product or product part that is defective. If Premier Mounts chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

#### **What is Not Covered; Limitations**

PREMIER MOUNTS DISCLAIMS ANY LIABILITY FOR DAMAGE TO MOUNTS, ADAPTERS, DISPLAYS, PROJECTORS, OTHER PROPERTY, OR PERSONAL INJURY RESULTING, IN WHOLE OR IN PART, FROM IMPROPER INSTALLATION, MODIFICATION, USE OR MISUSE OF ITS PRODUCTS.

PREMIER MOUNTS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PREMIER MOUNTS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, INABILITY TO USE ITS PRODUCTS OR LABOR COSTS FOR REMOVING AND REPLACING DEFECTIVE PRODUCTS OR PARTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

#### **What Customers Must Do for Limited Warranty Service**

If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to Premier Mounts Customer Service at 1-800-368-9700. Warranty claims will not be accepted over the phone or by fax.

Premier Mounts  
Attn: Warranty Claim  
3130 East Miraloma Ave.  
Anaheim, CA 92806

#### **How State Law Applies**

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

## Disclaimer

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